

Chart 53062

NM 33/04

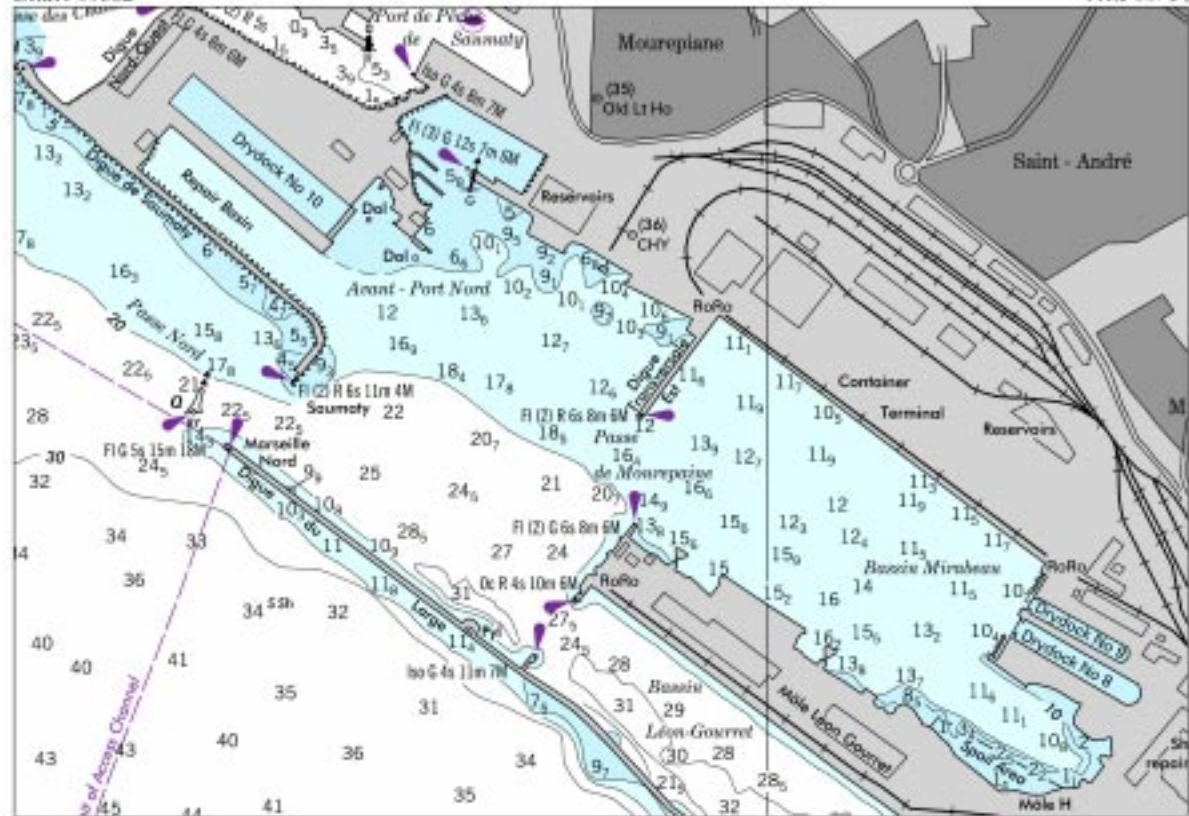


Chart 97202

NM 33/04



Chart 11389

NM 33/04

PORT ST. JOE AND PANAMA CITY HARBOR CHANNEL DEPTHS							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAR 2004							
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
PORT ST. JOE HARBOR ENTRANCE CHANNEL	30.3	30.4	24.5	6-03	300-500	8.0	35-37
NORTH CHANNEL	26.7	27.0	27.1	6-03	300	4.1	35
TURNING BASIN	26.2	26.7	26.4	6-03	650	0.3	32
HARBOR CHANNEL	26.2	26.7	26.8	6-03	250	0.3	35
SOUTH CHANNEL		A			200	1.1	27
PANAMA CITY HARBOR ENTRANCE CHANNEL	36	36	36	3-04	450-300	2.1	38-36
A. NOT MAINTAINED							
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION							

Chart 11390 (Side A)

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PANAMA CITY HARBOR CHANNEL DEPTHS							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAR 2004							
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
PANAMA CITY HARBOR ENTRANCE CHANNEL	36	36	36	3-04	450-300	2.1	38-36
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION							

Chart 11391

NM 33/04

PANAMA CITY HARBOR CHANNEL DEPTHS							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAR 2004							
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
PANAMA CITY HARBOR ENTRANCE CHANNEL	36	36	36	3-04	450-300	2.1	38-36
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION							

Chart 14815

NM 33/04

ROCHESTER HARBOR CHANNEL DEPTHS							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS MAR 2004							
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT GREAT LAKES LOW WATER DATUM (LWD)					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (MILES)	DEPTH LWD (FEET)
ENTRANCE TO BEGINNING OF JETTIES	18.3	19.3	19.9	3-04	300	0.91	24
BEGINNING OF JETTIES TO END OF JETTIES	18.4	19.1	17.3	3-04	200	0.57	23
END OF JETTIES TO RR BRIDGE	7.9	17.3	18.1	3-04	200-400	0.27	23
TURNING BASIN	7.5	A8.1	8.0	3-04	140-25	0.04	23
RR BRIDGE TO 200 FT N OF BUOY '2' AT 43°14'04"N 077°37'02"W	10.9	B14.3	12.3	3-04	150-225	1.44	21
200 FT N OF BUOY '2' AT 43°14'04"N 077°37'02"W TO PT AT 43°13'50"N 077°36'57"W	18.3	12.0	11.4	3-04	150-525	0.30	21
PT AT 43°13'50"N 077°36'57"W TO END OF PROJECT	11.1	12.2	11.3	3-04	150	0.51	21
A. SHOALING TO 7.2 FEET IN LEFT HALF OF QUARTER							
B. SHOALING TO 11.8 FEET FROM 43°15'10.8"N 077°36'30.1"W TO 43°15'13.7"N 077°36'28.0"W							
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION							

## SECTION I

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Chart 14839

NM 33/04

CLEVELAND HARBOR CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO MAR 2004 AND REPORTS TO APR 2004								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT GREAT LAKES LOW WATER DATUM (LWD)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH LWD (FEET)
LAKE APPROACH CHANNEL	28.1	30.3	29.8	27.3	4-03	600-750	0.22	29
ENTRANCE CHANNEL	27.9	29.6	30.1	26.4	5-03	225-750	0.22	28
CUYAHOGA RIVER								
PIER RANGE	A20.7	27.4	28.7	17.9	3-04	230	0.30	27
THENCE TO LORAIN								
CARNEGIE VIADUCT BRIDGE	9.2	20.5	20.7	13.1	3-04	100-700	2.69	23
THENCE TO END OF PROJECT	8.7	B20.5	C21.6	D13.1	3-04	110-400	3.11	23
OLD RIVER								
FROM CUYAHOGA RIVER								
TO END OF PROJECT	17.0	22.3	21.8	E15.2	5-03, 3-04	125-200	1.10	27
EAST BASIN								
AIRPORT RANGE	20.5	23.7	23.8	19.4	8-03	500	3.11	25
TURNING BASIN	23.9	23.2	24.6	23.1	8-03	400-1600	0.33	25
EASTERN SECTION	F20.9	22.0	22.5	22.1	5-03	1250-1540	0.72	27
WESTERN SECTION	21.1	23.9	28.7	26.6	5-03	1300-1540	0.28	28
WEST BASIN	G24.1	H24.9	I22.7	J21.1	5-03	1150-1570	0.91	28
A. EXCEPT FOR SHOALING TO 14.9 FEET AT 41°30'00.6"N 081°42'31.3"W. B. EXCEPT FOR SHOALING TO 12.1 FEET IN LAST 200 FEET OF QUARTER. C. EXCEPT FOR SHOALING TO 12.1 FEET IN LAST 800 FEET OF QUARTER. D. EXCEPT FOR SHOALING TO 1.9 FEET FROM 41°29'10.8"N 081°40'47.3"W TO 41°29'09.7"N 081°40'46.4"W AND TO 1.9 FEET IN LAST 800 FEET OF QUARTER. E. EXCEPT FOR SHOALING TO 10.4 FEET AT 41°29'51.2"N 081°42'44.0"W AND TO 12.7 FEET AT 41°29'31.8"N 081°42'57.3"W. F. EXCEPT FOR SHOALING TO 16.0 FEET IN LEFT OUTSIDE 50 FEET OF QUARTER. G. EXCEPT FOR SHOALING TO 19.6 FEET IN WESTERN 500 FEET OF PROJECT. H. EXCEPT FOR SHOALING TO 16.8 FEET IN WESTERN 500 FEET OF PROJECT. I. EXCEPT FOR SHOALING TO 15.4 FEET IN WESTERN 500 FEET OF PROJECT. J. EXCEPT FOR SHOALING TO 14.8 FEET IN WESTERN 500 FEET OF PROJECT. NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

Chart 14846 (Page 1)

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TOLEDO HARBOR CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAR 2004 AND SURVEYS TO DEC 2003								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT GREAT LAKES LOW WATER DATUM (LWD)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH LWD (FEET)
ENTRANCE CHANNEL TO BUOY 49	23.0	25.7	24.1	21.3	4-03, 6-03, 10-03, 12-03	500	18.0	28
MAUMEE MOORING BASIN	24.0	19.0	17.9	16.8	4-03, 10-03	450	1.40	28
THENCE TO BUOY 62 MAUMEE RIVER								
CHANNEL	23.0	22.0	26.0	23.0	4-03, 11-03	400	2.65	27
RIVERSIDE TURNING BASIN	21.0	19.0	17.0	12.0	11-03	350	0.25	20
THENCE TO ANTHONY WAYNE FIXED								
BRIDGE	22.0	25.0	26.9	25.0	7-03, 11-03	200	2.51	27
THENCE TO BUOY 67	14.4	26.8	25.7	22.8	7-03	200	1.08	27
TURNING BASIN	26.6	26.0	24.8	20.6	7-03	260-630	.27	27
THENCE TO UPSTREAM LIMIT OF								
PROJECT	5.8	7.8	9.4	9.3	7-03	200	.47	25
TURNING BASIN	10.4	10.9	11.5	11.3	7-03	835	.16	18
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

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Chart 14847

NM 33/04

TOLEDO HARBOR CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAR 2004 AND SURVEYS TO DEC 2003								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT GREAT LAKES LOW WATER DATUM (LWD)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH LWD (FEET)
ENTRANCE CHANNEL TO BUOY 49	23.0	25.7	24.1	21.3	4-03,6-03,10-03,12-03	500	18.0	28
MAUMEE MOORING BASIN	24.0	19.0	17.9	16.8	4-03, 10-03	450	1.40	28
THENCE TO BUOY 62 MAUMEE RIVER								
CHANNEL	23.0	22.0	26.0	23.0	4-03, 11-03	400	2.65	27
RIVERSIDE TURNING BASIN	21.0	19.0	17.0	12.0	11-03	350	0.25	20
THENCE TO ANTHONY WAYNE FIXED								
BRIDGE	22.0	25.0	26.9	25.0	7-03, 11-03	200	2.51	27
THENCE TO BUOY 67	14.4	26.8	25.7	22.8	7-03	200	1.08	27
TURNING BASIN	26.6	26.0	24.8	20.6	7-03	260-630	.27	27
THENCE TO UPSTREAM LIMIT OF								
PROJECT	5.8	7.8	9.4	9.3	7-03	200	.47	25
TURNING BASIN	10.4	10.9	11.5	11.3	7-03	835	.16	18
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								